

Joystick Replacement

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The joysticks used in games and modelling contain two potentiometers with a resistance of about 100 k Ω , which turn through 60 to 90 degrees. In fact only one third to one quarter of the total resistance is used in these potentiometers. The diagram shown here should be used when making your own joystick with ordinary potentiometers that turn through 270 degrees. The values for R1 and R2 are given as guidelines only and their optimal value should be found through trial and error. It will be easier if you temporarily replace R1 and R2 with

a combination of a fixed resistor and a preset, since it can be a time consuming job to determine the correct values; this is because each of the resistors affects the other.

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